# Ministry of Sustainable Resource Management

## Information Paper
## Proposed New Water Rental Rates
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Introduction

Land and Water British Columbia Incorporated (LWBC) is a Crown company established to allocate Crown land and water resources for the benefit of all British Columbians. LWBC reports to the Minister of Sustainable Resource Management, the Hon. Stan Hagen.

At the request of Cabinet, the Ministry of Competition Science and Enterprise (CSE) directed government ministries to undertake a comprehensive review of all fees, under the Fee and Licensing Review.

LWBC, together with the Ministry of Sustainable Resource Management (MSRM), has reviewed existing water rental rates, and this paper provides information on the proposed new water licence and related Crown land permit rental rates.

Cabinet provided several criteria to guide the Fee and Licensing Review.

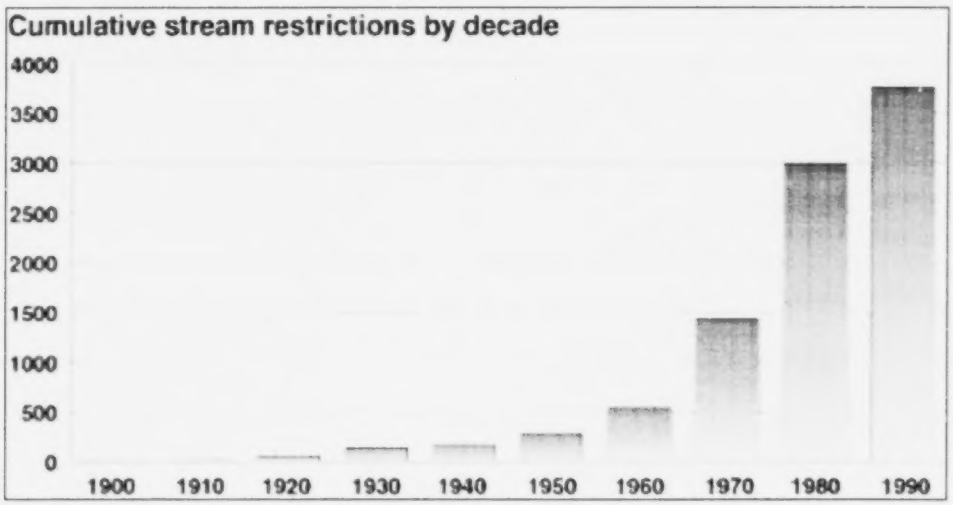
| Review Criteria | | Explanation |
|---|---|---|
| Simplicity | | Fees should be easy for the public to understand, and applied equitably and consistently for all consumers. |
| Appropriate Amount | | Service delivery costs should be recovered, or justification provided for lower recovery percentages, or for rates that generate revenue that exceed costs. |
| Consolidation | | Similar fees should be consolidated to minimize the overall number of fees in a schedule. This is consistent with government's deregulation and simplification objectives and the public interest. |
| Competitiveness | | Fee schedules should be compare favourably with competing jurisdictions in both the scope of coverage and rate level to support a competitive business climate. |

Broad Implications of Water Pricing

Two broad considerations for increases to water licence rental rates are:

- the effect of changes on the competitiveness of business, and
- the support of environmental objectives.

Although British Columbia is fortunate to have a substantial amount of fresh water, the continued availability of this valuable resource should not be taken for granted. The table below shows the increasing number of water sources that have been restricted from additional licensing. Water volumes are declining due to increased demand for usage and lower precipitation which reduces replenishment rates.




Source: Water Management Program (LWBC) and the Ministry of Air, Land and Water Protection

Appropriate water pricing will help provide a fair return to the province and could promote the sustainability of water resource though conservation, water use efficiency, and the adoption of technologies which maintain environmental quality.

The Water Management Program

Historically, the water management program processes approximately 350 to 500 applications for new water licences, 400 to 600 approvals for changes to a stream or short-term use of water, and administers a growing number of water licences – now over 43,000.

In the past water management in British Columbia was funded from general revenues collected by the provincial government.

Last year, land and water management programs were structured as a Crown company – LWBC is funded entirely from revenue collected from fees and rents. Water rentals and application fees will be a component of that revenue. LWBC's direct revenue funding mechanism and more flexible financing abilities will enable improved service to clients in British Columbia by providing for reduced application backlogs, implementation of a 140 day turn around for decisions on new applications and providing several new efficiency measures - described below.

Backlog reduction

- A backlog of 1,800 new water licence applications was reduced by 90% by the end of March 31, 2003.

- A backlog of over 2,100 water licence amendments are targeted for a 30% reduction by March 31, 2004, improving to 60% by March 31, 2005 and 90% by March 31, 2006.

Targeted Turn Around Times

- As of April 1, 2003, a 140 day turn around time will be applied to new water licence applications. This is a significant improvement over the past process, which could typically take one or two years to complete.

New Efficiency Measures

- New efficiency measures include: regional Client Service Coordinators, as a single point of contact to assist applicants; a toll free application help line; memorandum of understanding with government agencies to streamline referral processes; and "one-stop" shopping for Crown land and water applications.

The Current Water Tariff

The current water tariff is complex. There are approximately 90 water use purposes licensed in British Columbia. Unfortunately, the tariff has grown in a piece-meal manner over the past 75 years. This has resulted in each water use purpose having its own unique water rental rate. Additional complications in the tariff include the use of several block rental rates for the same purpose, and the use of four different imperial-based water volume measures (with separate rates) – i.e. acre-feet per annum, cubic-feet per second, gallons a day and gallons a year.

Under the current tariff it is difficult to compare water rental rates between water use purposes, rental blocks and different volume measures. More importantly, however, current rental rates are not equitable, compared against similar water uses. In some cases, they do not provide a fair return to the Crown, and they do not allow for the efficient management of water rents in the province.

Appendix 1 lists current licence rental rates using a common water volume measure of 1,000 cubic metres (or 1 cubic decametre). The wide range of rental rates is apparent – e.g., from $0.002 for waterpower storage to $27.72 for ice making.

Appendix 1 also shows several inequities in current water rents between similar water uses – e.g., water used for nurseries is priced at $0.97, while the rate is $4.52 is for greenhouses; the rate for work camps is $1.39, in contrast to $24.00 for camps used for recreation - regardless of the volume authorized by licence.

New Sector-based Pricing and Minimum Rents for Water

MSRM is proposing to base new water licence rents on a combination of sector-based volume pricing, with a minimum rent for each sector. All of the individual water licence rental rates, which are contained in the current tariff, are rolled up under their appropriate sector. The table below provides the proposed annual rental rates.

| New Sector | New Annual Rental Rate Based on Volume (1,000 cubic metres) | Minimum Annual Rent for Sector |
|---|---|---|
| Agriculture | $ 0.60 | $ 25.00 |
| Aquaculture | $ 0.04 | $ 25.00 |
| Domestic | $ 0.60 | $ 25.00 |
| Industrial / Commercial | $ 0.85 | $ 100.00 |
| Mining & Oil | $ 1.10 | $ 100.00 |
| Waterworks | $ 1.10 | $ 100.00 |
| Conservation & Land Improvement | $ 0.01 | $ 25.00 |
| Storage | $ 0.01 | $ 25.00 |
| Residential (self supplied) | $ 0.04 | $ 25.00 |
| Waterpower | | |

**How the New Proposed Rental Rates Were Determined**

New Proposed Water Volume Rental Rates

All of the different water rental rates in the current water tariff were converted to a common volume rate of per 1,000 cubic metres per year. Appendix 1 shows the wide range of different rents, which range for $0.002 for non-waterpower storage up to $27.72 for ice making.

In order to establish new rental rates the analysis considered the current rates per 1,000 cubic metres and then applied cost recovery and revenue objectives for each new sector.

The analysis determined that the average rental rate for all water uses (excluding conservation and storage) is currently $0.85 per 1,000 cubic metres. This number is derived by dividing the current revenues from water licence rents, by the water volume quantities authorized by all water licences.

The proposed new rates were then adjusted in accordance with cost recovery levels for each sector and to minimize the general impact of consolidating a wide range of different water rents – as shown in Appendix 1.

New Proposed Rent Minimums

There is also a wide variation of minimum annual rents currently paid by licence holders under the current tariff, which range from $10.50 for residential lawn watering to $382.00 for the supply of water to pulp mills.

New minimum rents for each sector were determined by dividing the cost of licence administration by the number of licensed water use purposes that pay rent. The overall average minimum rent which would be required to recover costs would be approximately $74.00 per licensed water use purpose.

However, the minimum licence rent required for each sector varies from $28.00 for domestic, $55.00 for conservation, $154.00 for Industrial/Commercial, to approximately $738.00 for waterworks.

To further simplify the tariff only two minimum rents are used for the proposed new rental structure: $25.00 and $100.00. Refer to the table on the previous page.

Benefits of the Proposed New Rent Structure

Overall, the proposed new sector-based rent structure increases the simplicity of the tariff rates, improves equity in pricing amongst similar water uses, provides a fair return to support LWBC's operational costs, and promotes the efficient and effective use of the province's water resource.

In addition, sector-based pricing allows the province's water rent revenue levels to be balanced between different sectors. In general, the new pricing structure aims to achieve higher returns from industrial/commercial, mining and waterpower storage users. Moderate rental revenue returns are anticipated to continue for the supply of water to communities under waterworks licensing. Rental rates for agriculture, aquaculture, conservation, domestic, non-waterpower

storage and residential (self-supplied) waterpower uses will continue at below cost recovery levels.

Appendix 2 provides the proposed sector-based water rents as they apply to their associated water use purposes. Appendix 2 also shows a generalized comparison of water rent averages, between current and proposed rents.

**Impacts of the New Rent Structure**

The proposed new sector-based rents are a comprehensive redesign of the current water licence rent structure. As a result of reducing 100 current rental rates to just 9 sector rates, and the proposed minimum rates, the impact is widespread – most rents will increase although most increases will be small, while some will decrease.

The proposed new rent structure is volume based. However, the rent paid on each licence depends on two factors: the volume-based rental rate for the sector and the minimum rent. A minimum rent is applied if the volume-based rent falls below the sector minimum.

Following is an impact analysis of the proposed new structure on a number of key sectors. Appendix 3 provides a comparison of current and new sector rents for the lowest and highest rents for each water use purpose.

Agriculture

Generally, the proposed rents for the agriculture sector would increase by 18%. This proposed rent increase is due largely to the higher annual rent minimum of $25.00 (current $22.00), which is paid by the majority of irrigation licence holders.

Large-scale irrigation would receive rents starting at $29.75 (current rent $23.10) up to $3,700.00 (current rent $ 2,750.00).

Several water use purposes associated with agriculture, such as frost protection, greenhouses and nurseries would also receive the same volume rate and rent minimum.

Additionally, there would also be rent decreases for some water licences supporting greenhouses and nurseries, as well as for all stock watering.

Aquaculture

There is a decrease of 17% for the majority of fish hatchery operators. However, in one situation the highest water user will see an increase in annual rent to $7,144 from $5,000.

Domestic

The majority of water licence holders for domestic consumption would see a small increase in annual rent from $19.00 to the proposed sector minimum of $25.00.

Several water use purposes associated with domestic use, such as in churches, community halls, and public facilities would also receive the same rental rate and rent minimum.

Under the tariff redesign, rent decrease would occur with larger-scale domestic uses, public facilities and institutions.

Industrial/Commercial

In general, the new pricing structure results in higher rental revenue for industrial mining, and waterpower storage users. The higher water volume users in British Columbia are the larger-scale industrial water users. Several large volume industrial water licence holders would receive a significant increase in annual licence rents, particularly water users for cooling, processing and pulp mills. On average rents would increase by 88%.

These purposes are all currently charged at a low rate of $0.43 per 1,000 cubic metres, relative to the proposed sector rate of $0.85.

Water licences for industrial cooling would receive rents starting at the sector minimum of $100.00 (current rent $ 30.00) up to $55,294 (current rent $27,839).

For industrial processing new rents would also start at the sector minimum of $100 (current rent $14.20) and increase up to $57,489 (current rent $28,940).

Pulp mills would receive a rent increase which ranged from $759.00 (current rent $382.00) and increase up to $113,857 (current rent $57,300).

Mining & Oil

Higher rental rates are also anticipated for water uses associated with mining and the oil sector. On average rents would increase by approximately 45%.

Hydraulic mining is a large volume user. The current rental rate of $0.06 per 1,000 cubic metres falls well below the proposed sector rate of $0.85 per 1,000 cubic metres. Under the proposed sector rental rates, rent increases are anticipated to range from the sector minimum rent of $100.00 (current rent $56.00) up to $9,822 (current rent $560).

Another significant rent increase would occur with water licences that are used for oil field injection. Proposed rent increases would range from $206.28 (a reduction from the current rent of $340.00) to $2,063 (current rent $1,020).

Waterworks

The current rental rate for waterworks of $1.54 per 1,000 cubic metres is higher relative to other sectors. Therefore, rents will generally decrease under the proposed new rate of $1.10 per 1,000 cubic metres, by approximately 28%.

Conservation and Land Improvement

Water licence holders for conservation storage, conservation construction and land improvement are currently billed a fixed rent for each licence. Additional work will need to be undertaken to determine the actual volume of water required by licence holders. Until water volumes can be determined, these licence holders would be charged the sector minimum of $25.00.

Storage

The current water tariff contains two separate rental rates for storage, $0.002 per 1,000 cubic metres for licences that support the generation of electricity (waterpower) and $0.004 for the remaining water uses (non-waterpower) - such as for irrigation and domestic consumption.

A key element of the new rent structure is to consolidate the number different rental rates. The proposed sector rate for all storage water licences is $0.01 per 1,000 cubic metres (stored), with a sector minimum rent of $25.00

The majority of non-waterpower storage licences would receive a small rent increase from $11.00 to the sector minimum rent of $25.00.

However, the most significant increase would occur for the large-volume waterpower storage licences. Rent increases for these storage licences would range from $25.00 (current rent $4.00) to $ 330,700 (current rent $64,000).

Residential (self-supplied) Waterpower

A key goal of the proposed new tariff is to have every water licence rent based on the volume of water allocated. Currently, the annual water rent for waterpower supplied directly by residents is $50.00 per licence, regardless of the licensed quantity. The proposed rent structure would apply a rental rate of $0.04 per 1,000 cubic metres, with a $25.00 minimum.

The majority of residential waterpower licence holders will receive a decrease in rent payments, from the current rent of $50.00 per licence, to the proposed sector minimum of $25.00. However, there are larger water volume users in this sector. The higher rent increases range from $50.01 (current rent $ 50.00) to $1,786 (current rent $50).

Permits over Crown land

The proposed rental rate for Permits over Crown land (PCL) is only slightly higher than the current rent. The current rental rate for dam sites on Crown land is approximately $118.00 per hectare – with the majority paying $48.00. The proposed rate for dam sites is $120.00 per hectare – with the majority paying the sector minimum of $50.00. The current rate for a PLC to flood or to occupy (e.g., with a pipeline) Crown land is approximately $7.40 per hectare – with the majority paying $6.00. The proposed rate is $7.50 per hectare – with the majority paying the sector minimum of $10.00.

Managing Impacts of the Proposed New Pricing Structure

In general, most rent increases will be minor for small-volume water users. Water licence holders with several water uses would continue to pay a combined rent. For example, those who require water for domestic consumption ($19.00), small irrigation ($ 22.00), and have a PCL ($0.00) currently pay a combined total of $47.00. Under the proposed rental rates the rent would total $60.00 ($25.00 for domestic, $25.00 for irrigation and $10.00 for the PCL).

However, more significant rent increases are proposed, particularly for those who use large volumes of water for hydraulic mining, cooling, pulp mills, processing and waterpower storage.

LWBC will work with license holders facing significant increases to find alternative billing and payment options. In addition, the quantity of water which is licensed could also be reduced.

Assessment of Pricing Criteria

As mentioned previously the review of water licence rents have focused on four basic criteria. The following table summarizes how the proposed sector-based rents meet these criteria.

| Review Criteria | | Anticipated Results of Sector-based Rents |
|---|---|---|
| | | |
| Simplicity | | New water rents are based on a small number of sectors, comprised of related water use activities. |
| | | |
| Appropriate Amount | | Sector-base rents promote equity in water pricing as related water use activities are priced the same. Revenue from water rent payments will now be directed to the operations costs of the Water Management Program, which administers water licensing in British Columbia. |
| | | |
| Consolidation | | Approximately 100 individual water licence rents in the current tariff are consolidated to just 9 sector-based rental rates. |
| | | |
| Competitiveness | | Water costs generally constitute a small portion of overall industry operation costs. Proposed rent increases for some water uses should not adversely affect the competitiveness of industry in British Columbia. |

## Appendix 1: Comparison of Current Water Licence Rental Rates

| Water Use Purposes | Water Licence Rental from Water Tariff | | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|---|
| Storage Waterpower | $ | 4.00 | **2,000 acre-feet a year** or less | $ 0.002 |
| Storage Waterpower | $ | 2.00 | each **additional 1,000 acre-feet a year** or fraction thereof | $ 0.002 |
| Storage Non Water Power | $ | 11.00 | **2,000 acre-feet a year** or less | $ 0.004 |
| Storage Non Water Power | $ | 5.50 | each **additional 1,000 acre-feet a year** or fraction thereof | $ 0.004 |
| Conservation (Use) | $ | 40.00 | **10 cubic-feet per second** or less | $ 0.004 |
| Conservation (Use) | $ | 4.00 | **each additional cubic-foot per second** or fraction thereof | $ 0.004 |
| Effluent Dilution | $ | 285.00 | each **50,000 acre-feet a year** or fraction thereof | $ 0.005 |
| Marine Transport (no longer licensed) | $ | 1,035.00 | **100,000 acre-feet a year** or less **allowed** | $ 0.008 |
| Marine Transport (no longer licensed) | $ | 1,350.00 | **100,000 acre-feet a year** or less **used** | $ 0.01 |
| Hydraulic Mining | $ | 56.00 | each **cubic-foot per second** or fraction thereof | $ 0.06 |
| Fish Hatcheries | $ | 33.00 | each **0.5 cubic-foot per second** or fraction thereof | $ 0.07 |

## Appendix 1: Comparison of Current Water Licence Rental Rates, continued

| Water Use Purposes | Water Licence Rental from Water Tariff | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|
| Pressure Testing | $ 33.00 | each **0.5 cubic-foot per second** or fraction thereof | $ 0.07 |
| Washing Intake Screens | $ 26.00 | each **200,000 gallons a day** or fraction thereof | $ 0.08 |
| Tunnelling | $ 72.00 | each **500,000 gallons a day** or fraction thereof | $ 0.09 |
| Snowmaking | $ 20.00 | each **100 acre-feet a year** or fraction thereof | $ 0.16 |
| Fire Prevention | $ 47.50 | each **0.25 cubic-feet a second** or fraction thereof | $ 0.21 |
| Frost Protection | $ 27.00 | each **100 acre-feet a year** or fraction thereof | $ 0.22 |
| Washing Coal | $ 330.00 | each **cubic-foot per second** or fraction thereof | $ 0.37 |
| Oil Field Injection | $ 340.00 | each **cubic-foot per second** or fraction thereof | $ 0.38 |
| Irrigation (Local Authority) | $ 25.00 | **50 acre-feet a year** or less | $ 0.41 |
| Irrigation (Local Authority) | $ 5.00 | each additional **10 acre-feet a year** or fraction thereof | $ 0.41 |
| Crop Suppression | $ 26.00 | each **50 acre feet** a **year** or fraction thereof | $ 0.42 |
| Pulp Mills | $ 382.00 | each **cubic-foot per second** or fraction thereof | $ 0.43 |

## Appendix 1: Comparison of Current Water Licence Rental Rates, continued

| Water Use Purposes | Water Licence Rental from Water Tariff | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|
| Processing (manufacturing) | $ 14.20 | **20,000 gallons a day** or less | $ 0.43 |
| Processing (manufacturing) | $ 7.10 | each **additional 10,000 gallons a day** or fraction thereof | $ 0.43 |
| Cooling | $ 35.50 | **50,000 gallons a day** or less | $ 0.43 |
| Cooling | $ 7.10 | each **additional 10,000 gallons a day** or fraction thereof | $ 0.43 |
| Placer Mining | $ 192.00 | each **0.5 cubic-foot per second** or fraction thereof | $ 0.43 |
| Irrigation (Non Local Authority) | $ 22.00 | to irrigate **40 acre-feet a year** or less | $ 0.45 |
| Irrigation (Non Local Authority) | $ 1.10 | each **additional 2 acre-feet a year** or fraction thereof | $ 0.45 |
| Residential Lawn & Garden | $ 10.50 | each **10 acre-feet a year** or fraction thereof | $ 0.85 |
| Nurseries | $ 24.00 | each **20 acre-feet a year** or fraction thereof | $ 0.97 |
| Game Farms | $ 17.00 | each **10,000 gallons a day** or fraction thereof | $ 1.02 |
| Heat Exchangers | $ 18.00 | each **10,000 gallons a day** or fraction thereof | $ 1.08 |

## Appendix 1: Comparison of Current Water Licence Rental Rates, continued

| Water Use Purposes | Water Licence Rental from Water Tariff | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|
| Flood Harvesting | $ 16.00 | each **10 acre-feet a year** or fraction thereof | $ 1.30 |
| Exhibition Grounds | $ 22.00 | **10,000 gallons a day** or fraction thereof | $ 1.33 |
| Shipyards | $ 22.00 | each **10,000 gallons a day** or fraction thereof | $ 1.33 |
| Work camps | $ 23.00 | **10,000 gallons a day**, or fraction thereof | $ 1.39 |
| Institutions | $ 24.00 | **10,000 gallons a day** or fraction thereof | $ 1.45 |
| Garbage Dumps | $ 24.00 | each **10,000 gallons a day** or fraction thereof | $ 1.45 |
| Mining Equipment | $ 24.00 | each **10,000 gallons a day** or fraction thereof | $ 1.45 |
| Processing Ore | $ 253.00 | each **100,000 gallons a day** or fraction thereof | $ 1.52 |
| Waterworks (Local Authority) | $ 140.00 | **20,000,000 gallons a year** or less used | $ 1.54 |
| Waterworks (Local Authority) | $ 0.70 | each **additional 100,000 gallons a year** or fraction thereof | $ 1.54 |
| Waterworks (Non Local Authority) | $ 2.80 | each additional **1,000 gallons a day** or fraction thereof | $ 1.69 |
| Waterworks (Non Local Authority) | $ 70.00 | **25,000 gallons a day** or less | $ 1.69 |
| Wharves | $ 32.00 | each **10,000 gallons a day** or fraction thereof | $ 1.93 |
| Amusement Parks | $ 33.00 | each **10,000 gallons a day** or fraction thereof | $ 1.99 |

## Appendix 1: Comparison of Current Water Licence Rental Rates, continued

| Water Use Purposes | Water Licence Rental from Water Tariff | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|
| Watering | $ 2.75 | each **additional acre-foot a year** or fraction thereof | $ 2.23 |
| Watering | $ 27.50 | **10 acre-feet a year** or less | $ 2.23 |
| Stockwatering | $ 30.00 | each **5,000 gallons a day** or fraction thereof | $ 3.62 |
| Public Facilities | $ 33.00 | each **5,000 gallons a day** or fraction thereof | $ 3.98 |
| Greenhouses | $ 15.00 | each **2,000 gallons a day** or fraction thereof | $ 4.52 |
| Bottling | $ 170.00 | each **20,000 gallons a day** or less | $ 5.12 |
| Bottling | $ 8.50 | each additional **1,000 gallons a day** or fraction thereof | $ 5.12 |
| Water Delivery | $ 17.00 | each **2,000 gallons a day** or fraction thereof | $ 5.12 |
| Truck Washing | $ 10.00 | each **1,000 gallons a day** or fraction thereof | $ 6.03 |
| Film Processing | $ 21.00 | each **2,000 gallons a day** or fraction thereof | $ 6.33 |
| Churches & Community Halls | $ 23.00 | each **2,000 gallons a day** or fraction thereof | $ 6.93 |
| Mineral Baths | $ 48.00 | **4,000 gallons a day** or less | $ 7.23 |

## Appendix 1: Comparison of Current Water Licence Rental Rates, continued

| Water Use Purposes | Water Licence Rental from Water Tariff | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|
| Mineral Baths | $ 12.00 | each **additional 1,000 gallons a day** or fraction thereof | $ 7.23 |
| Mineral Trading | $ 12.00 | **1,000 gallons a day** or less | $ 7.23 |
| Mineral Trading | $ 1.20 | each **additional 100 gallons a day** or fraction thereof | $ 7.23 |
| Marine Transport (no longer licensed) | $ 103.50 | each **additional 10 acre-feet a year** , or fraction thereof **allowed** | $ 8.39 |
| Enterprise | $ 28.40 | **2,000 gallons a day** or less | $ 8.56 |
| Enterprise | $ 14.20 | each **additional 1,000 gallons a day** or fraction thereof | $ 8.56 |
| Kennels | $ 30.00 | each **2,000 gallons a day** or fraction thereof | $ 9.04 |
| Brake Cooling | $ 30.00 | each **2,000 gallons a day** or fraction thereof | $ 9.04 |
| Marine Transport (no longer licensed) | $ 135.00 | each **additional 10 acre-feet a year** , or fraction thereof **used** | $ 10.94 |
| Domestic | $ 19.00 | **1,000 gallons a day** or less | $ 11.45 |
| Domestic | $ 9.50 | each additional **500 gallons a day** or fraction thereof | $ 11.45 |
| Domestic (Incidental) | $ 19.00 | **1,000 gallons a day** or less | $ 11.45 |

## Appendix 1: Comparison of Current Water Licence Rental Rates, continued

| Water Use Purposes | Water Licence Rental from Water Tariff | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|
| Domestic (Incidental) | $ 9.50 | each additional **500 gallons a day** or fraction thereof | $ 11.45 |
| Ice Making | $ 23.00 | each **500 gallons a day** or fraction thereof | $ 27.72 |
| | | | |
| **Water Rentals Not Volume Based** | | | |
| Conservation (Storage) | $ 14.00 | all licences | no volume rate |
| Conservation (Works) | $ 19.00 | all licences | no volume rate |
| Camps | $ 24.00 | all licences | no volume rate |
| Overburden Disposal | $ 32.50 | all licences | no volume rate |
| Dust Control | $ 34.00 | all licences | no volume rate |
| Road Maintenance | $ 34.00 | all licences | no volume rate |
| Swimming Pools | $ 36.00 | all Licences | no volume rate |
| Ponds | $ 38.00 | all licences | no volume rate |
| Land Improvement | $ 38.00 | all licences | no volume rate |
| De-watering | $ 46.00 | all licences | no volume rate |
| Residential (Waterpower) | $ 50.00 | all licences | no volume rate |
| Conveying | $ 51.00 | all licences | no volume rate |
| Hydraulicking | $ 60.00 | all licences | no volume rate |

## Appendix 1: Comparison of Current Water Licence Rental Rates, continued

| Water Use Purposes | Water Licence Rental from Water Tariff | | Water Licence Rental Rate from Water Tariff | Equivalent in Cubic Decametres a year (1,000 cubic metres) |
|---|---|---|---|---|
| Log Fluming | $ | 60.00 | all licences | no volume rate |
| Sewage Disposal | $ | 65.00 | all licences | no volume rate |
| River Improvement | $ | 69.00 | all licences | no volume rate |
| Fire Protection | $ | 73.00 | all licences | no volume rate |
| Sediment Control | $ | 288.00 | all licences | no volume rate |

## Appendix 2: Effect of Sector-based Water Rents (Current and Proposed)

| Water Use Sector | Licensed Purposes | Number Billed | Average Rent **Current** Tariff | Average Rent **Proposed** Tariff | Change in Rent | Percentage Change |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| **Agriculture** | | | | | | |
| | | | | | | |
| Water Licences | Crop Suppression | 2 | $ 65.00 | $ 82.52 | $ 17.52 | 27% |
| | Flood Harvesting | 77 | $ 59.84 | $ 34.47 | - $ 25.38 | - 42% |
| | Frost Protection | 85 | $ 66.71 | $ 148.58 | $ 81.87 | 123% |
| | Game Farms | 1 | $ 34.00 | $ 25.00 | - $ 9.00 | - 26% |
| | Greenhouses | 37 | $ 33.65 | $ 25.68 | - $ 7.97 | - 24% |
| | Irrigation | 9,886 | $ 22.00 | $ 25.20 | $ 3.20 | 15% |
| | Irrigation > 40 acre-feet | 3,757 | $ 78.26 | $ 104.97 | $ 26.72 | 34% |
| | Irrigation Local Authority (LA) | 31 | $ 24.19 | $ 25.47 | $ 1.28 | 5% |
| | Irrigation (LA) > 50 acre-feet | 44 | $ 1,145.23 | $ 1,692.41 | $ 547.18 | 48% |
| | Kennels | 2 | $ 30.00 | $ 25.00 | - $ 5.00 | - 17% |
| | Nurseries | 39 | $ 38.15 | $ 29.73 | - $ 8.42 | - 22% |
| | Ponds (see notes) | 248 | $ 38.00 | $ 26.11 | - $ 11.89 | - 31% |
| | Stockwatering | 1,311 | $ 31.51 | $ 25.00 | - $ 6.51 | - 21% |
| | Watering | 176 | $ 27.50 | $ 25.00 | - $ 2.50 | - 9% |
| | Watering > 10 acre-feet | 130 | $ 295.98 | $ 62.24 | - $ 233.75 | - 79% |
| | | | | | | |
| | | | | | | |
| Short-Term Approvals | Irrigation | 1 | $ 22.00 | $ 25.30 | $ 3.30 | 15% |
| | Stockwatering | 2 | $ 30.00 | $ 25.00 | - $ 5.00 | - 17% |
| | Watering | 1 | $ 27.50 | $ 25.00 | - $ 2.50 | - 9% |
| | Watering > 10 acre-feet | 1 | $ 490.42 | $ 131.98 | - 358.43 | - 73% |
| | | | | | | |
| | | | | | | |
| Sector Summary | | 15,832 | $ 42.35 | $ 49.80 | $ 7.44 | 18% |
| | | | | | | |
| | | | | | | |
| Notes | Ponds: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
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## Appendix 2: Effect of Sector-based Water Rents (Current and Proposed), continued

| Water Use Sector | Licensed Purposes | Number Billed | Average Rent **Current** Tariff | Average Rent **Proposed** Tariff | Change in Rent | Percentage Change |
|---|---|---|---|---|---|---|
| | | | | | | |
| | | | | | | |
| **Aquaculture** | | | | | | |
| | | | | | | |
| Water Licences | Fish Hatcheries | 25 | $ 743.30 | $ 613.51 | - $ 129.69 | -17% |
| | | | | | | |
| Short-Term Approvals | None | | | | | |
| | | | | | | |
| Sector Summary | | 25 | $ 743.30 | $ 613.51 | - $ 129.69 | - 17% |
| | | | | | | |
| Notes | None | | | | | |
| | | | | | | |
| **Domestic** | | | | | | |
| | | | | | | |
| Water Licences | Camps | 48 | $ 24.00 | $ 25.40 | $ 1.40 | 6% |
| | Churches & Community Halls | 15 | $ 30.67 | $ 25.00 | - $ 5.67 | - 18% |
| | Domestic | 22,155 | $ 19.00 | $ 25.00 | $ 6.00 | 32% |
| | Domestic Incidental | 159 | $ 19.00 | $ 25.00 | $ 6.00 | 32% |
| | Domestic > 1,000 gallons a day | 1,170 | $ 44.95 | $ 25.15 | - $ 19.80 | - 44% |
| | Domestic Incidental > 1,000 gallons a day | 13 | $ 85.50 | $ 25.00 | -$ 60.50 | - 71% |
| | Exhibition Grounds | 2 | $ 33.00 | $ 25.00 | - $ 8.00 | - 24% |
| | Institutions | 18 | $ 36.00 | $ 28.31 | - $ 7.69 | - 21% |
| | Public Facilities | 25 | $ 35.64 | $ 25.00 | - $ 10.64 | - 30% |
| | Residential Lawn Watering | 240 | $ 10.50 | $ 25.00 | $ 14.50 | 138% |
| | Swimming Pools (see note) | 10 | $ 36.00 | $ 25.00 | - $ 11.00 | - 31% |
| | Work Camps | 110 | $ 39.10 | $ 30.33 | - $ 8.77 | - 22% |
| | | | | | | |
| Short-Term Approvals | Camps | 1 | $ 24.00 | $ 25.00 | $ 1.00 | 4% |
| | Domestic | 1 | $ 19.00 | $ 25.00 | $ 6.00 | 32% |
| | Domestic > 1,000 gallons a day | 1 | $ 61.75 | $ 25.00 | - $ 36.75 | - 60% |
| | Residential Lawn Watering | 1 | $ 21.00 | $ 25.00 | $ 4.00 | 19% |
| | Work Camps | 3 | $ 23.00 | $ 25.00 | $ 2.00 | 9% |
| | | | | | | |
| Sector Summary | | 23,972 | $ 20.37 | $ 25.04 | $ 4.67 | 23% |
| | | | | | | |
| Notes | Swimming Pools: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |

## Appendix 2: Effect of Sector-based Water Rents (Current and Proposed), continued

| Water Use Sector | Licensed Purposes | Number Billed | Average Rent **Current** Tariff | Average Rent **Proposed** Tariff | Change in Rent | Percentage Change |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Industrial/Commercial** | | | | | | |
| | | | | | | |
| Water Licences | Amusement Parks | 3 | $ 44.00 | $ 100.00 | $ 56.00 | 127% |
| | Bottling | 19 | $ 170.00 | $ 100.00 | - $ 70.00 | - 41% |
| | Bottling > 20,000 gallons a day | 23 | $ 1,566.59 | $ 283.91 | - $ 1,282.67 | - 82% |
| | Brake Cooling | 8 | $ 30.00 | $ 100.00 | $ 70.00 | 233% |
| | Cooling | 32 | $ 35.50 | $ 100.00 | $ 64.50 | 182% |
| | Cooling > 50,000 gallons a day | 22 | $ 2,991.36 | $ 5,940.34 | $ 2,948.98 | 99% |
| | Dewatering (see note) | 7 | $ 46.00 | $ 100.00 | $ 54.00 | 117% |
| | Dust Control (see note) | 22 | $ 35.55 | $ 133.69 | $ 98.14 | 276% |
| | Effluent Dilution (see note) | 1 | $ 570.00 | $570.00 | - | - |
| | Enterprise | 314 | $ 28.40 | $ 100.00 | $ 71.60 | 252% |
| | Enterprise > 2,000 gallons a day | 347 | $ 123.22 | $100.27 | - $ 22.95 | - 19% |
| | Film Processing | No licences | | | | |
| | Fire Prevention | 4 | $ 190.00 | $ 695.19 | $ 505.19 | 265% |
| | Fire Protection (see note) | 80 | $ 73.00 | $ 507.65 | $ 434.65 | 595% |
| | Garbage Dumps | 3 | $ 24.00 | $ 100.00 | $ 76.00 | 317% |
| | Heat Exchangers | No licences | | | | |
| | Hydraulicking (see note) | 2 | $ 60.00 | $ 2,277.15 | $ 2,217.15 | 3695% |
| | Ice Making | 4 | $ 960.25 | $ 100.39 | - $ 859.86 | - 90% |
| | Marine Transport (see note) | 1 | $ 2,385.00 | $ 2,385.00 | - | - |
| | Mineral Baths | 10 | $ 48.00 | $ 100.00 | $ 52.00 | 108% |
| | Mineral Baths > 4,000 gallons a day | 20 | $ 768.00 | $ 134.46 | - $ 633.54 | - 82% |
| | Mineral Trading | 1 | $ 12.00 | $ 100.00 | $ 88.00 | 733% |
| | Mineral Trading > 1,000 gallons a day | 4 | $ 711.00 | $ 100.00 | - $ 611.00 | - 86% |
| | Overburden Disposal (see note) | 9 | $ 292.50 | $ 900.00 | $ 607.50 | 208% |
| | Processing | 86 | $ 14.20 | $ 100.00 | $ 85.80 | 604% |
| | Processing > 20,000 gallons a day | 95 | $ 962.61 | $ 1,927.61 | $ 965.00 | 100% |
| | Pulp Mills | 40 | $ 17,209.10 | $ 34,108.81 | $ 16,899.71 | 98% |
| | River Improvement (see note) | 4 | $ 69.00 | $ 100.00 | $ 31.00 | 45% |
| | Road Maintenance (see note) | 4 | $ 34.00 | $ 101.45 | $ 67.45 | 198% |
| | Sediment Control (see note) | 31 | $ 288.00 | $ 100.00 | - $ 188.00 | - 65% |

## Appendix 2: Effect of Sector-based Water Rents (Current and Proposed), continued

| Water Use Sector | Licensed Purposes | Number Billed | Average Rent **Current** Tariff | Average Rent **Proposed** Tariff | Change in Rent | Percentage Change |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Industrial/Commercial** | continued | | | | | |
| | | | | | | |
| Water Licences | Sewage Disposal (see note) | 4 | $ 65.00 | $ 100.00 | $ 35.00 | 54% |
| | Shipyards | 1 | $ 22.00 | $ 100.00 | $ 78.00 | 355% |
| | Snowmaking | 23 | $ 123.48 | $ 604.02 | $ 480.54 | 389% |
| | Truck Washing | 10 | $ 61.00 | $ 100.00 | $ 39.00 | 64% |
| | Tunnelling | No licences | | | | |
| | Washing Intake Screens | 1 | $ 52.00 | $ 423.13 | $ 371.13 | 714% |
| | Wharves | 4 | $ 40.00 | $ 100.00 | $ 60.00 | 150% |
| | | | | | | |
| Short-Term Approvals | Dust Control | 26 | $ 34.00 | $ 100.00 | $ 66.00 | 194% |
| | Enterprise | 1 | $ 28.40 | $ 100.00 | $ 71.60 | 252% |
| | Fire Prevention | 2 | $ 95.00 | $ 379.52 | $ 284.52 | 299% |
| | Garbage Dump | 2 | $ 24.00 | $ 100.00 | $ 76.00 | 317% |
| | Processing | 2 | $ 14.20 | $ 100.00 | $ 85.80 | 604% |
| | Processing > 20,000 gallons a day | 1 | $ 184.60 | $ 365.58 | $ 180.98 | 98% |
| | Pulp Mills | 1 | $ 1,528.00 | $ 3,036.20 | $ 1.508.20 | 99% |
| | River Improvement | 1 | $ 69.00 | $ 100.00 | $ 31.00 | 45% |
| | Road Maintenance | 46 | $ 34.00 | $ 100.00 | $ 66.00 | 194% |
| | Snowmaking | 1 | $ 20.00 | $ 100.00 | $ 80.00 | 400% |
| | Truck Washing | 1 | $ 10.00 | $ 100.00 | $ 90.00 | 900% |
| | Tunnelling | 1 | $ 72.00 | $ 100.00 | $ 28.00 | 39% |
| | Washing Intake Screens | 1 | $ 26.00 | $ 100.00 | $ 74.00 | 285% |
| | | | | | | |
| Sector Summary | | 1,325 | $ 748.00 | $ 1,402.68 | $ 654.68 | 88% |
| | | | | | | |
| Notes | Dewatering: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Dust Control: all licences can receive the new sector-based rental rate, as all licences volumes have been determined. | | | | | |
| | Effluent Dilution: recommend maintaining current rental rate until the licence is reviewed to confirm whether a large volume is needed. | | | | | |
| | Fire Protection: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Hydraulicking: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Marine Transport: currently one licence due to expire in 2008 – maintain current rental rate. | | | | | |
| | Overburden Disposal: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |

## Appendix 2: Effect of Sector-based Water Rents (Current and Proposed), continued

| Water Use Sector | Licensed Purposes | Number Billed | Average Rent **Current** Tariff | Average Rent **Proposed** Tariff | Change in Rent | Percentage Change |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Industrial/Commercial** | continued | | | | | |
| | | | | | | |
| Notes | River Improvement: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Road Maintenance: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Sediment Control: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Sewage Disposal: all licences can receive the new sector-based rental rate, as all licences volumes have been determined. | | | | | |
| | | | | | | |
| | | | | | | |
| **Mining and Oil** | | | | | | |
| | | | | | | |
| Water Licences | Hydraulic Mining | 14 | $ 136.00 | $ 2,157.67 | $ 2,021.67 | 1487% |
| | Mining Equipment (see note) | 6 | $ 308.00 | $ 296.28 | - $ 11.72 | - 4% |
| | Oil Field Injection | 8 | $ 595.00 | $ 1,095.26 | $ 500.26 | 84% |
| | Placer Mining | 55 | $ 192.00 | $ 457.34 | $ 265.34 | 138% |
| | Processing Ore | 59 | $ 2,156.93 | $ 1,494.99 | - $ 661.94 | - 31% |
| | Pressure Testing and Flushing | No licence | | | | |
| | Washing Coal | 10 | $ 792.00 | $ 1,891.91 | $ 1,099.91 | 139% |
| | | | | | | |
| | | | | | | |
| Short-Term Approvals | Mining Equipment (see note) | 122 | $ 42.08 | $ 105.89 | $ 63.81 | 152% |
| | Placer Mining | 35 | $ 315.17 | $ 806.23 | $ 491.06 | 156% |
| | Pressure Testing and Flushing | 15 | $ 135.75 | $ 1,939.94 | $ 1,804.19 | 1329% |
| | Washing Coal | 1 | $ 330.00 | $970.51 | $ 640.51 | 194% |
| | | | | | | |
| | | | | | | |
| Sector Summary | | 325 | $ 518.16 | $ 750.98 | $ 232.82 | 45% |
| | | | | | | |
| | | | | | | |
| Notes | Mining Equipment: the discrepancy between licence and approval revenue and rental rates is due to a large number of approvals | | | | | |
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## Appendix 2: Effect of Sector-based Water Rents (Current and Proposed), continued

| Water Use Sector | Licensed Purposes | Number Billed | Average Rent **Current** Tariff | Average Rent **Proposed** Tariff | Change in Rent | Percentage Change |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Waterworks** | | | | | | |
| | | | | | | |
| Water Licences | Conveying | No licences | | | | |
| | Water Delivery | 26 | $ 83.04 | $ 100.00 | $ 16.96 | 20% |
| | Waterworks Local Authority | 187 | $ 139.25 | $ 98.93 | - $ 40.32 | - 29% |
| | Waterworks Local Authority > 20,000,000 gallons a year | 160 | $ 6,754.93 | $ 4,818.85 | - $ 1,936.08 | - 29% |
| | Waterworks Non (L.A.) | 177 | $ 70.00 | $ 100.00 | $ 30.00 | 43% |
| | Waterworks Non (L.A.) > 25,000 gallons a day | 52 | $ 283.02 | $ 198.24 | - $ 84.77 | - 30% |
| | | | | | | |
| Short-Term Approvals | Water Delivery | 4 | $ 25.00 | $ 100.00 | $ 74.50 | 292% |
| | Waterworks Local Authority | 1 | $ 140.00 | $ 100.00 | - $ 40.00 | - 29% |
| | Waterworks Local Authority > 20,000,000 gallons a year | 1 | $ 18,900 | $ 13,501.89 | - $ 5,389.11 | - 29% |
| | | | | | | |
| Sector Summary | | 608 | $ 1,900.06 | $ 1,317.92 | - $ 528.15 | - 28% |
| | | | | | | |
| Notes: | None | | | | | |
| | | | | | | |
| **Conservation and Land Improvement** | | | | | | |
| | | | | | | |
| Water Licences | Conservation Storage (see notes) | 336 | $ 14.00 | $ 25.08 | $ 11.08 | 79% |
| | Conservation Use | 45 | $ 40.00 | $ 25.16 | - $ 14.84 | - 37% |
| | Conservation Use > 10 cubic-feet per second | 5 | $ 262.00 | $ 585.09 | $ 322.69 | 1223% |
| | Conservation Construction (see notes) | 83 | $ 19.00 | $ 26.76 | $ 7.76 | 41% |
| | Land Improvement (see notes) | 849 | $ 38.00 | $ 30.26 | - $ 7.74 | - 20.4% |
| | | | | | | |
| Short-Term Approvals | Conservation Storage | 1 | $ 14.00 | $ 25.00 | $ 11.00 | 79% |
| | Land Improvement | 2 | $ 38.00 | $ 25.00 | - $ 13.00 | - 34% |
| | | | | | | |
| Sector Summary | | 1,321 | $ 31.59 | $ 30.63 | - $ 0.96 | - 3% |
| | | | | | | |
| | | | | | | |

## Appendix 2: Effect of Sector-based Water Rents (Current and Proposed), continued

| Water Use Sector | Licensed Purposes | Number Billed | Average Rent **Current** Tariff | Average Rent **Proposed** Tariff | Change in Rent | Percentage Change |
|---|---|---|---|---|---|---|
| | | | | | | |
| **Conservation and Land Improvement** | continued | | | | | |
| | | | | | | |
| Notes | Conservation Storage: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Conservation Construction: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | Land Improvement: current tariff rate is not based on the volume of water authorized by licence – recommend applying the minimum sector rent, until all licence volumes can be determined and then apply sector volume rate to all licences. | | | | | |
| | | | | | | |
| **Storage** | | | | | | |
| | | | | | | |
| Water Licences | Storage Non-waterpower | 2,476 | $ 11.00 | $ 25.00 | $ 14.00 | 127% |
| | Storage Non-waterpower > 2,000 acre-feet | 58 | $ 65.53 | $ 142.43 | $ 76.90 | 117% |
| | Storage Waterpower | 29 | $ 4.00 | $ 25.00 | $ 21.00 | 525% |
| | Storage Waterpower > 2,000 acre-feet | 53 | $ 3,015.47 | $ 18,595.48 | $ 15,580.01 | 517% |
| | | | | | | |
| Short-Term Approvals | None | | | | | |
| | | | | | | |
| Sector Summary | | 2,616 | $ 73.00 | $ 403.84 | $ 330.84 | 453% |
| | | | | | | |
| | | | | | | |
| **Residential (self supplied) Power** | | | | | | |
| | | | | | | |
| Water Licences | Residential power (see note) | 306 | $ 50.00 | $ 60.09 | $ 10.09 | 20% |
| | | | | | | |
| Short-Term Approvals | None | | | | | |
| | | | | | | |
| Sector Summary | | 396 | $ 50.00 | $ 60.09 | $ 10.09 | 20% |
| | | | | | | |
| Notes | Residential power: all licences can receive the new sector-based rental rate, as all licences volumes have been determined. | | | | | |
| | | | | | | |
| **Permits Crown Land** | | | | | | |
| | | | | | | |
| | Dam sites | 675 | $ 86.54 | $ 87.28 | $ 0.74 | 1% |
| | Flooding/Works | 8,695 | $ 6.00 | $ 10.00 | $ 4.00 | $ 67 |
| | Flooding/Works > 2 acres | 1,058 | $ 1,933.79 | $ 1,955.85 | $ 22.06 | 1% |
| Sector Summary | | 10,428 | $ 206.80 | $ 212.42 | $ 5.62 | 3% |

## Appendix 3: Comparison of Lowest and Highest Rental Rates (Current and Proposed)

| Sector | Licensed Purposes | **Current** Lowest Rent | **Proposed** Lowest Rent | Difference | **Current** Highest Rent | **Proposed** Highest Rent | Difference |
|---|---|---|---|---|---|---|---|
| Agriculture | | | | | | | |
| | Crop Suppression | $ 26.00 | $ 26.64 | $ 0.64 | $ 104.00 | $ 138.40 | $ 34.40 |
| | Flood Harvesting | $ 16.00 | $ 25.00 | $ 9.00 | $ 336.00 | $ 151.72 | - $ 184.28 |
| | Frost Protection | $ 27.00 | $ 25.00 | - $ 2.00 | $ 324.00 | $ 837.03 | $ 513.93 |
| | Game Farms | $ 34.00 | $ 25.00 | - $ 9.00 | Same as lowest rent. | | |
| | Greenhouses | $15.00 | $ 25.00 | $ 10.00 | $ 255.00 | $ 32.85 | - $ 222.15 |
| | Irrigation | $ 22.00 | $ 25.00 | $ 3.00 | $ 22.00 | $ 29.60 | $ 7.60 |
| | Irrigation > 40 acre-feet | $ 23.10 | $ 29.75 | $ 6.65 | $ 2,750.00 | $ 3,700.47 | $ 950.47 |
| | Irrigation Local Authority (LA) | $ 25.00 | $ 25.00 | $ 0.00 | $ 25.00 | $ 33.80 | $ 8.80 |
| | Irrigation (LA) > 50 acre-feet | $ 30.00 | $ 38.48 | $ 8.48 | $ 9,780.00 | $ 14,472.54 | $ 4,692.54 |
| | Kennels | $ 30.00 | $ 25.00 | - $ 5.00 | Same as lowest rent. | | |
| | Nurseries | $ 24.00 | $ 25.00 | $ 1.00 | $ 192.00 | $ 111.01 | - $ 80.00 |
| | Ponds | $ 38.00 | $ 25.00 | - $ 13.00 | Same as lowest rent. | | |
| | Stockwatering | $ 30.00 | $ 25.00 | - $ 5.00 | $ 150.00 | $ 25.00 | - $ 125.00 |
| | Watering | $ 27.50 | $ 25.00 | - $ 2.50 | Same as lowest rent. | | |
| | Watering > 10 acre-feet | $ 30.25 | $ 25.00 | - $ 5.25 | $ 1,402.50 | $ 377.46 | - $ 1,025.05 |
| | | | | | | | |
| **Aquaculture** | | | | | | | |
| | Fish Hatcheries | $33.00 | $ 25.00 | - $ 8.00 | $5,000 | $ 7,143.99 | $ 2,143.99 |
| | | | | | | | |
| **Domestic** | | | | | | | |
| | Camps | $ 24.00 | $ 25.00 | $ 1.00 | $ 24.00 | $ 44.30 | $ 20.30 |
| | Churches & Community Halls | $ 23.00 | $ 25.00 | $ 2.00 | $ 115.00 | $ 25.00 | - $ 90.00 |
| | Domestic | $ 19.00 | $ 25.00 | $ 6.00 | Same as lowest rent. | | |
| | Domestic Incidental | $ 19.00 | $ 25.00 | $ 6.00 | Same as lowest rent. | | |
| | Domestic > 1,000 gallons a day | $ 28.50 | $ 25.00 | - $ 3.50 | $ 3,800.00 | $ 199.12 | - $ 3,600.88 |
| | Domestic Incidental > 1,000 gallons a day | $ 28.50 | $ 25.00 | - $ 3.50 | $ 323.00 | $ 25.00 | - $ 298.00 |
| | Exhibition Grounds | $ 22.00 | $ 25.00 | $ 3.00 | $ 44.00 | $ 25.00 | - $ 19.00 |
| | Institutions | $ 24.00 | $ 25.00 | $ 1.00 | $ 144.00 | $ 59.74 | $- $ 138.48 |
| | Public Facilities | $ 33.00 | $ 25.00 | - $ 8.00 | $ 66.00 | $ 25.00 | - $ 41.00 |
| | Residential Lawn Watering | $ 10.50 | $ 25.00 | $ 14.50 | Same as lowest rent. | | |
| | Swimming Pools | $ 36.00 | $ 25.00 | - $ 11.00 | Same as lowest rent. | | |
| | Work Camps | $ 23.00 | $ 25.00 | $ 2.00 | $ 690.00 | $ 298.68 | $ 391.23 |
| | | | | | | | |

## Appendix 3: Comparison of Lowest and Highest Rental Rates (Current and Proposed), continued

| Sector | Licensed Purposes | **Current** Lowest Rent | **Proposed** Lowest Rent | Difference | **Current** Highest Rent | **Proposed** Highest Rent | Difference |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Industrial & Commercial** | | | | | | | |
| | Amusement Parks | $ 33.00 | $ 100.00 | $ 67.00 | $ 66.00 | $ 100.00 | $ 34.00 |
| | Bottling | $ 170.00 | $ 100.00 | - $ 70.00 | Same as lowest rent | | |
| | Bottling > 20,000 gallons a day | $ 212.50 | $ 100.00 | - $ 112.50 | $ 8,500.00 | $ 1,401.42 | - $ 7,089.58 |
| | Brake Cooling | $ 30.00 | $ 100.00 | $ 70.00 | Same as lowest rent | | |
| | Cooling | $ 35.50 | $ 100.00 | $ 64.50 | Same as lowest rent | | |
| | Cooling > 50,000 gallons a day | $ 63.90 | $ 126.94 | $ 63.04 | $ 27,839.10 | $ 55,294.28 | $ 27,455.18 |
| | Dewatering | $ 46.00 | $ 100.00 | $ 54.00 | Same as lowest rent | | |
| | Dust Control | $ 34.00 | $ 100.00 | $ 66.00 | $ 34.00 | $ 568.68 | $ 534.68 |
| | Effluent Dilution | $ 570.00 | $ 570.00 | $ 0.00 | Same as lowest rent | | |
| | Enterprise | $ 28.40 | $ 100.00 | $ 71.60 | Same as lowest rent | | |
| | Enterprise > 2,000 gallons a day | $ 42.60 | $ 100.00 | $ 57.40 | $ 1,562.00 | $ 155.15 | - $ 1,406.85 |
| | Film Processing | No Current Licences | | | | | |
| | Fire Prevention | $ 47.50 | $ 100.00 | $ 52.50 | $ 570.00 | $ 2,277.15 | $ 1,707.15 |
| | Fire Protection | $ 73.00 | $ 100.00 | $ 27.00 | $ 73.00 | $ 4,936.49 | $ 4,863.49 |
| | Garbage Dumps | $ 24.00 | $ 100.00 | $ 76.00 | Same as lowest rent | | |
| | Heat Exchangers | No Current Licences | | | | | |
| | Hydraulicking | $ 60.00 | $ 2,277.15 | $ 2,2171.5 | Same as lowest rent | | |
| | Ice Making | $ 23.00 | $ 100.00 | $ 77.00 | $ 3,312.00 | $ 101.55 | - $ 3,210.45 |
| | Marine Transport | Licence is Due to Expire – current rental rate is maintained | | | | | |
| | Mineral Baths | $ 48.00 | $ 100.00 | $ 52.00 | Same as lowest rent | | |
| | Mineral Baths > 4,000 gallons a day | $ 72.00 | $ 100.00 | $ 28.00 | $ 3,600.00 | $ 423.13 | - $ 3,176.87 |
| | Mineral Trading | $ 12.00 | $ 100.00 | $ 88.00 | Same as lowest rent | | |
| | Mineral Trading > 1,000 gallons a day | $ 36.00 | $ 100.00 | $ 64.00 | $ 2,640.00 | $ 100.00 | - $ 2,540.00 |
| | Overburden Disposal | $ 32.50 | $ 100.00 | $ 67.50 | Same as lowest rent | | |
| | Processing | $ 14.20 | $ 100.00 | $ 85.80 | Same as lowest rent | | |
| | Processing > 20,000 gallons a day | $ 21.30 | $ 100.00 | $ 78.70 | $ 28,939.60 | $ 57, 488.90 | $ 28,549.30 |
| | Pulp Mills | $ 382.00 | $ 759.05 | $ 377.05 | $ 57,300.00 | $ 113,857.32 | $ 56,557.32 |
| | River Improvement | $ 69.00 | $ 100.00 | $ 31.00 | Same as lowest rent | | |

## Appendix 3: Comparison of Lowest and Highest Rental Rates (Current and Proposed), continued

| Sector | Licensed Purposes | **Current** Lowest Rent | **Proposed** Lowest Rent | Difference | **Current** Highest Rent | **Proposed** Highest Rent | Difference |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Industrial & Commercial** | continued | | | | | | |
| | | | | | | | |
| | Road Maintenance | $ 34.00 | $ 100.00 | $ 66.00 | $ 34.00 | $ 105.78 | $ 71.78 |
| | Sediment Control | $ 288.00 | $ 100.00 | - $ 188.00 | Same as lowest rent | | |
| | Sewage Disposal | $ 65.00 | $ 100.00 | $ 35.00 | Same as lowest rent | | |
| | Shipyards | $ 22.00 | $ 100.00 | $ 78.00 | Same as lowest rent | | |
| | Snowmaking | $ 20.00 | $ 100.00 | $ 80.00 | $ 980.00 | $ 5,091.35 | $ 4,111.35 |
| | Truck Washing | $ 10.00 | $ 100.00 | $ 90.00 | $ 400.00 | $ 100.00 | - $ 300.00 |
| | Tunnelling | No Current Licences | | | | | |
| | Washing Intake Screens | $ 52.00 | $ 423.13 | $ 371.13 | Same as lowest rent | | |
| | Wharf | $ 32.00 | $ 100.00 | $ 68.00 | $ 64.00 | $ 100.00 | $ 36.00 |
| | | | | | | | |
| | | | | | | | |
| **Mining & Oil** | | | | | | | |
| | | | | | | | |
| | Hydraulic Mining | $ 56.00 | $ 100.00 | $ 44.00 | $ 560.00 | $ 9,822.98 | $ 9,262.98 |
| | Mining Equipment | $ 24.00 | $ 100.00 | $ 76.00 | $ 1,680.00 | $ 1,277.68 | - $ 402.32 |
| | Oil Field Injection | $ 340.00 | $ 206.28 | - $ 133.72 | $ 1,020.00 | $ 2,062.83 | $ 1,042.83 |
| | Placer Mining | $ 192.00 | $ 100.00 | - $ 92.00 | $ 192.00 | $ 481.15 | $ 299.15 |
| | Processing Ore | $ 253.00 | $ 100.00 | - $ 153.00 | $ 20,240.00 | $ 14,602.04 | - $ 5,637.96 |
| | Pressure Testing and Flushing | No Current Licences | | | | | |
| | Washing Coal | $ 330.00 | $ 186.64 | - $ 143.36 | $ 1,650.00 | $ 4,911.48 | $ 3,261.49 |
| | | | | | | | |
| **Waterworks** | | | | | | | |
| | | | | | | | |
| | Conveying | No Current Licences | | | | | |
| | Water Delivery | $ 17.00 | $ 100.00 | $ 83.00 | $ 425.00 | $ 100.00 | - $ 325.00 |
| | Waterworks Local Authority | $ 140.00 | $ 100.00 | - $ 40.00 | Same as lowest rent | | |
| | Waterworks Local Authority > 20,000,000 gallons a year | $ 140.70 | $ 100.00 | - $ 40.45 | $ 632,144.10 | $ 451,594.31 | - $ 180,549.79 |
| | Waterworks Non (L.A.) | $ 70.00 | $ 100.00 | $ 30.00 | Same as lowest rent | | |
| | Waterworks Non (L.A.) > 25,000 gallons a day | $ 78.40 | $ 100.00 | $ 21.60 | $ 2,800.00 | $ 1,825.26 | - $ 974.74 |

## Appendix 3: Comparison of Lowest and Highest Rental Rates (Current and Proposed), continued

| Sector | Licensed Purposes | **Current** Lowest Rent | **Proposed** Lowest Rent | Difference | **Current** Highest Rent | **Proposed** Highest Rent | Difference |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| **Conservation Land Improve** | | | | | | | |
| | Conservation Storage | $ 14.00 | $ 25.00 | $ 11.00 | $ 14.00 | $ 35.72 | $ 21.72 |
| | Conservation Use | $ 40.00 | $ 25.00 | - $ 15.00 | $ 40.00 | $ 31.54 | - $ 8.46 |
| | Conservation Use > 10 cubic-feet per second | $ 48.00 | $ 107.16 | $ 59.16 | $ 400.00 | $ 893.00 | $ 493.00 |
| | Conservation Construction | $ 19.00 | $ 25.00 | $ 6.00 | Same as lowest rent | | |
| | Land Improvement | $ 38.00 | $ 25.00 | - $ 13.00 | Same as lowest rent | | |
| | | | | | | | |
| | | | | | | | |
| **Storage** | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | Storage Non-waterpower | $ 11.00 | $ 25.00 | $ 14.00 | Same as lowest rent | | |
| | Storage Non-waterpower > 2,000 acre-feet | $ 16.50 | $ 26.27 | $ 9.77 | $ 320.50 | $ 678.42 | $ 375.92 |
| | Storage Waterpower | $ 4.00 | $ 25.00 | $ 21.00 | Same as lowest rent | | |
| | Storage Waterpower > 2,000 acre-feet | $ 6.00 | $ 28.31 | $ 22.31 | $ 64,000.00 | $ 394,716.80 | $ 330,716.80 |
| | | | | | | | |
| | | | | | | | |
| **Residential Power** | | | | | | | |
| | | | | | | | |
| | Residential (self supplied) Waterpower | $ 50.00 | $ 25.00 | - $ 25.00 | $ 50.00 | $ 1,786.00 | $ 1,736.00 |
| | | | | | | | |
| | | | | | | | |
| **Permits Crown Land** | | | | | | | |
| | | | | | | | |
| | Dam sites | $ 48.00 | $ 50.00 | $ 10.00 | $ 2,064.00 | $ 2,047.39 | - $ 16.61 |
| | Flooding & Works | $ 6.00 | $ 10.00 | $ 4.00 | Same as lowest Rent | | |
| | Flooding & Works > 2 acres | $ 9.00 | $ 10.00 | $ 1.00 | $ 1,086,900.00 | $ 1,099,633.03 | $ 12,733.03 |